

Move With Confidence

From AI experimentation
to enterprise assurance

ZenseAI.AssureAI is a comprehensive quality engineering framework that helps enterprises validate, monitor, and scale AI systems responsibly across the full lifecycle — from data pipelines to agentic deployment. Built for governance and engineered for scale, it combines structured assurance checks, continuous monitoring, and regulatory readiness aligned to today's leading governance standards: NIST AI RMF, ISO/IEC 42001, and EU AI Act.

Where AI assurance meets real-world risk

Overview:

A leading US-based insurance provider needed a scalable AI assurance framework to strengthen LLM testing, detect hallucinations, and prepare for EU AI Act regulations. Using Zensar's ZenseAI.AssureAI framework, we enabled real-time fraud detection with explainable, production-ready AI assurance.

Key solution components:

- ML-driven fraud scoring models
- Real-time claims risk analysis
- Explainability analytics linked to risk scores
- Feature importance visibility for fraud triage teams

Measurable results:

- <1 second claim scoring time
- 65% precision achieved
- 1,500 fraudulent claims flagged in Q1 2025 that existing systems missed

Business outcome:

Improved operational intelligence and regulatory transparency

Services offered

Data validation and AI evaluationvalidation

- Data quality validation and drift monitoring
- Hallucination detection and jailbreak resistance
- Model, agent, and application-layer evaluation

Trust, governance, and compliance

- Explainability validation & Guardrails
- EU AI Act, NIST AI RMF, and ISO/IEC 42001 readiness
- Bias audits and audit-ready governance

Security, performance, and continuous assurance

- Prompt injection and security testing (Red/Blue Teaming)
- Regression testing integrated into CI/CD pipelines
- Continuous production monitoring and resilience validation

Solution benefits

- Continuous AI assurance at enterprise scale
- Stronger governance and regulatory readiness
- Reduced operational and reputational risk
- Enterprise-ready AI quality engineering for scalable deployment